

## REMARKS

Reconsideration and allowance of the subject application are respectfully solicited.

Claims 1 through 3 and 5 through 13 are pending, with Claims 1, 9, and 10 being independent. (In this regard, Applicants respectfully note that the Official Action refers to Claims “1-8” being pending, which Applicants respectfully submit should read --1-3 and 5-13--- as discussed above. Applicants also respectfully understand that the reference on the cover page of the Official Action to “08 December 2006” was intended to read --08 December 2005--. Favorable consideration is earnestly solicited.) Claims 1, 2, 3, 5, 6, 7, 9, and 10 have been amended.

Figs. 7A, 7B, and 8 have been labeled as --PRIOR ART--, as required, by the two replacement sheets being filed herewith.

Claims 2, 3, 5, 6, 7, and 8 were objected to on the grounds that they should begin with “The”. All objections are respectfully traversed. The objections of Claims 2, 3, 5, 6, and 7 are respectfully submitted to have been obviated by the amendment of those claims, as kindly suggested in the Official Action, to change “A” to --The--. Claim 8 has not been so amended since the expression “A camera” is the first such instance in that claim, so reconsideration of the objection is earnestly solicited.

Claims 1 through 13 were variously rejected under 35 U.S.C. § 103 over US 2002/0025164 A1 (Suzuki) in view of Applicant’s alleged admitted prior art (e.g., Fig. 8) and US 2002/0051071 A1 (Itano, et al.). All rejections are respectfully traversed.

Claim 1 recites, *inter alia*, a pad for outputting the video signals (output by the amplifier) to an outside of the chip, the pad being arranged only along a side portion of the

chip different from the side portion along which the first shift register is arranged (the second shift register having a lower driving frequency).

Claim 9 recites, *inter alia*, a pad for supplying a voltage to the amplifier (the amplifier outputting video signals), the pad being arranged only along a side portion of the chip different from the side portion along which the first shift register is arranged (the second shift register having a lower driving frequency).

Claim 10 recites, *inter alia*, a pad for supplying a predetermined voltage or a ground voltage to an active element included in a pixel in the pixel region, the pad being arranged only along a side portion of the chip different from the side portion along which the first shift register is arranged (the second shift register having a lower driving frequency).

However, Applicants respectfully state that none of Suzuki, Applicants' alleged admitted prior art, and Itano, et al., even in the proposed combinations, assuming, arguendo, that the documents could be combined, discloses or suggests at least the above-discussed claimed features as recited, *inter alia*, in Claims 1, 9, and 10.

The Official Action states that Suzuki's electrode 116B constitutes the pad of Claim 1. This statement is respectfully traversed. Applicants respectfully submit that Suzuki discloses, e.g., that pad electrode 116B is for pixel 130 of pixel part 110B, but that such provides signals indicating the degree of shading, for shading correction, and not output signals for generating image data ([0058], [0059], [0060]); instead, pad electrode 116A (not 116B) outputs signals indicating image data.

The Official Action states that Suzuki's electrode 116B constitutes the pad of Claims 9 and 10. This statement is respectfully traversed. Applicants respectfully submit that Suzuki discloses, e.g., that at pad electrode 116, output from region 110B is outputted

through amplifier 115B - there is no “supplying” to an amplifier or active element as variously required by Claims 9 and 10.

Applicants further respectfully submit that there has been no showing of any indication of motivation in the cited documents that would lead one having ordinary skill in the art to arrive at the above-discussed claimed features as recited, *inter alia*, in Claims 1, 9, and 10.

The dependent claims are also submitted to be patentable because they set forth additional aspects of the present invention and are dependent from independent claims discussed above. Therefore, separate and individual consideration of each dependent claim is respectfully requested.

Applicants submit that this application is in condition for allowance, and a Notice of Allowance is respectfully requested.

Applicants’ undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our address given below.

Respectfully submitted,

/Daniel S. Glueck/  
Daniel S. Glueck  
Attorney for Applicants  
Registration No. 37,838

FITZPATRICK, CELLA, HARPER & SCINTO  
30 Rockefeller Plaza  
New York, New York 10112-3800  
Facsimile: (212) 218-2200  
DSG/cmg

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